

Blood-Stream Infection (CDC)

From: Polly Padgette [padge009@mc.duke.edu]

Sent: Friday, November 20, 2009 11:52 AM

To: Blood-Stream Infection (CDC)

Subject: Recommendations for Draft Guidelines for Prevention of Intravascular Catheter Related Infections

To Whom It May Concern:

My name is Polly Padgette, and I am an Infection Preventionist at Duke Raleigh Hospital in Raleigh, NC. In response to your request for public comment for the currently proposed Draft Guidelines for the Prevention of Intravascular Catheter Related Infections, I would like to offer my support of a change in the verbiage of the recommendation specifically for skin antisepsis.

Currently the draft guideline calls for a 2% Chlorhexidine based skin antiseptic solution to be used for central venous catheter insertion. The current Infusion Nurse's Society Standards for Care (INS), the Society for Healthcare Epidemiology of America (SHEA), and the Infectious Diseases Society of America (IDSA) all have released recent guidelines that support the use of an alcoholic chlorhexidine solution containing a concentration of chlorhexidine gluconate (CHG) greater than 0.5% CHG. The current draft CDC document does not call for an alcoholic CHG solution, and only makes reference to a 2% CHG solution. The specific study referenced used an aqueous solution of CHG. The synergistic effects of CHG and isopropyl alcohol are key to providing initial skin antisepsis and also persistent activity of CHG on the patient's skin. Use of an aqueous based CHG solution alone would not provide adequate initial skin antisepsis. I would urge the HICPAC committee to make a more inclusive recommendation that is in line with the current standards of other Infection Prevention organizations and change the guidelines verbiage to read "use an alcoholic Chlorhexidine gluconate solution greater than 0.5% CHG." This would minimize confusion amongst clinicians, and offer all patients the benefits of Chlorhexidine gluconate.

Additionally, the recommendation for use of CHG for insertion of peripheral intravenous catheters has been changed to isopropyl alcohol, which creates two standards of care for our patients. We would like one standard for care for our patients for all vascular access procedures. I would strongly urge the HICPAC committee to evaluate this request to be inclusive of all CHG containing skin antiseptics available under the formal approval of the Food and Drug Administration.

Finally, I would also appreciate the recommendation regarding the cleaning of ports and hubs with either alcoholic Chlorhexidine (CHG preferred) or 70% isopropyl alcohol to be consistent with that of other organizations such as SHEA. Therefore, my recommendation would be to word this particular piece as "before accessing catheter hubs or injection ports, clean them with an alcoholic chlorhexidine preparation or 70% alcohol to reduce contamination." This will give clarity to clinicians about the appropriate cleaning of these devices that serve as sources for contamination.

Thank you for your consideration. If you have any questions, please feel free to contact me directly using the contact information below:

11/30/2009

Best regards

Polly Padgett
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